

## Message Text

LIMITED OFFICIAL USE

PAGE 01 MANILA 13176 010706Z  
ACTION SY-05

INFO OCT-01 EA-10 ISO-00 SYE-00 /016 W  
-----029777 011202Z /46  
R 010651Z AUG 78  
FM AMEMBASSY MANILA  
TO SECSTATE WASHDC 9427  
INFO AMCONSUL HONG KONG  
AMEMBASSY TAIPEI

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FOR SY/OPS/T FROM TSO

HONG KONG FOR RSS AND RTC

TAIPEI FOR RSO

E.O.11652:N/A  
TAGS:ASEC  
SUBJECT:X-RAY HAZARD, TORREX X-RAY UNIT

1. FAILURE OF SAFETY INTERLOCK CIRCUITS IN TORREX  
150 X-RAY SYSTEM HAS BEEN EXPERIENCED. WHILE CONDUCTING  
INITIAL SET-UP AND OPERATING PROCEDURES ON TORREX 150  
UNIT HERE IN MANILA, THE X-RAY OPERATING INDICATOR  
PREMATURELY ILLUMINATED. SYSTEM WOULD NOT RESPOND TO  
RESET MODE AND CABINET DOOR COULD RPT COULD BE OPENED  
WHILE X-RAY GENERATOR WAS FUNCTIONING.

2. VISUAL AND AURAL EVIDENCE THAT X-RAYS WERE BEING GEN-  
ERATED WERE FLUORESCENT GLOW OF FLUOROGRAPHIC  
SCREEN VIEWED THROUGH PORTAL AND SQUEAL OF TATTTLER  
WHEN DOOR WAS OPENED.

3. CONTROL SETTING S DURING FAILURE WERE: 3MA SELECTED,  
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TIMER SET AT ZERO, HV CONTROL FULL CCW (MINIMUM),  
AND BOTH EXPOSURE AND RESET A/IS EXTINGUISHED. DURING  
INITIAL 10 MINUTE WARM-UP PERIOD "X-RAY OPERATING"  
INDICATOR CAME ON. HV METER POINTER REMAINED FULL-LEFT  
BOTTOM OF SCALE. SELECTING SYSTEM RESET HAD NO EFFECT.

4. INITIAL INSPECTION OF UNIT INDICATES THERE HAS BEEN

A MULTIPLE FAILURE INVOLVING THE K1 RELAY AND DOOR INTERLOCK PLUNGER. VISUAL CHECKS FOUND THE OIL PUMP POWER CORD LAYING ACCROSS THE TOP OF THE S4 EXPOSURE SWITCH NORM OPEN "A" CONTACTS CAUSING THEM TO BE CLOSED. REVIEW OF THE SCHEMATICS SHOWS THIS COULD BE CAUSE FOR LIMITED OFFICIAL USE

PREMATURE ACTIVATION AND RESULTANT LOCK-UP OF K1 RELAY. TROUBLESHOOTING OF CONTROL LOGIC AND DOOR INTERLOCK CIRCUITS WILL CONTINUE AFTER UNIT IS MOVED TO TSO SHOP.

5. SY MIGHT CONSIDER ALERTING COGNIZANT POSTS AND RTC/TSO OFFICES THAT FAILURE HAS OCCURRED AND COULD BE HAZARD. RECOMEND THAT NO LESS THAN TWO FUNCTIONING VICTOREEN TATTLERS BE PRESENT DURING OPERATION, AND X-RAY FILMBADGE BE WORN (RE: MEMORANDUM TO CHIEF, R&D BRANCH DTD JUNE 1978). MURPHY

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NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** n/a  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 01 aug 1978  
**Decaption Date:** 01 jan 1960  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 20 Mar 2014  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1978MANILA13176  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Expiration:**  
**Film Number:** D780314-0611  
**Format:** TEL  
**From:** MANILA  
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**Image Path:**  
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**Legacy Key:** link1978/newtext/t197808113/aaaadqog.tel  
**Line Count:** 79  
**Litigation Code IDs:**  
**Litigation Codes:**  
**Litigation History:**  
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**Message ID:** 9d2b6b59-c288-dd11-92da-001cc4696bcc  
**Office:** ACTION SY  
**Original Classification:** LIMITED OFFICIAL USE  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 2  
**Previous Channel Indicators:** n/a  
**Previous Classification:** LIMITED OFFICIAL USE  
**Previous Handling Restrictions:** n/a  
**Reference:** n/a  
**Retention:** 0  
**Review Action:** RELEASED, APPROVED  
**Review Content Flags:**  
**Review Date:** 04 may 2005  
**Review Event:**  
**Review Exemptions:** n/a  
**Review Media Identifier:**  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**SAS ID:** 1579487  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** X-RAY HAZARD, TORREX X-RAY UNIT  
**TAGS:** ASEC  
**To:** STATE  
**Type:** TE  
**vdkgvwkey:** odbc://SAS/SAS.dbo.SAS\_Docs/9d2b6b59-c288-dd11-92da-001cc4696bcc  
**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
US Department of State  
EO Systematic Review  
20 Mar 2014  
**Markings:** Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014